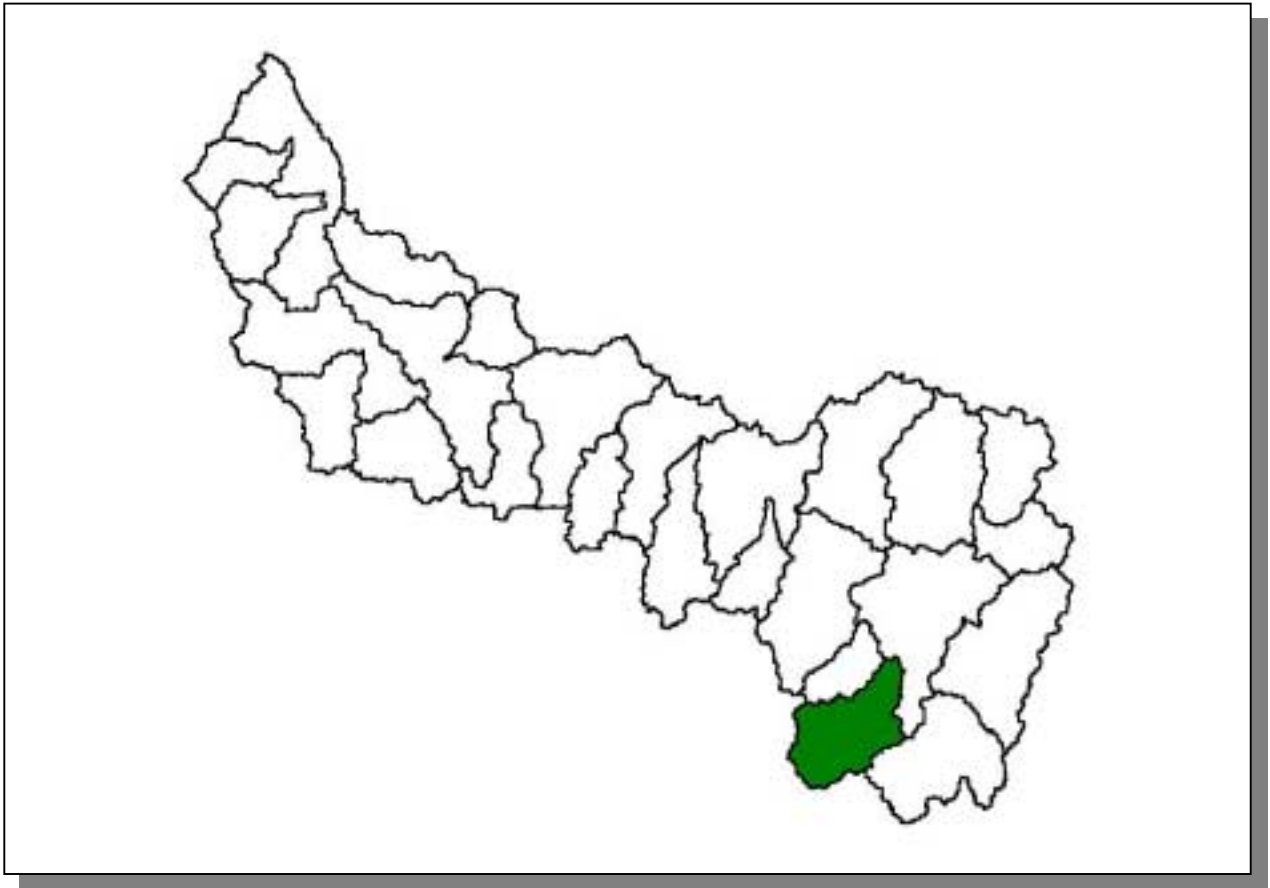
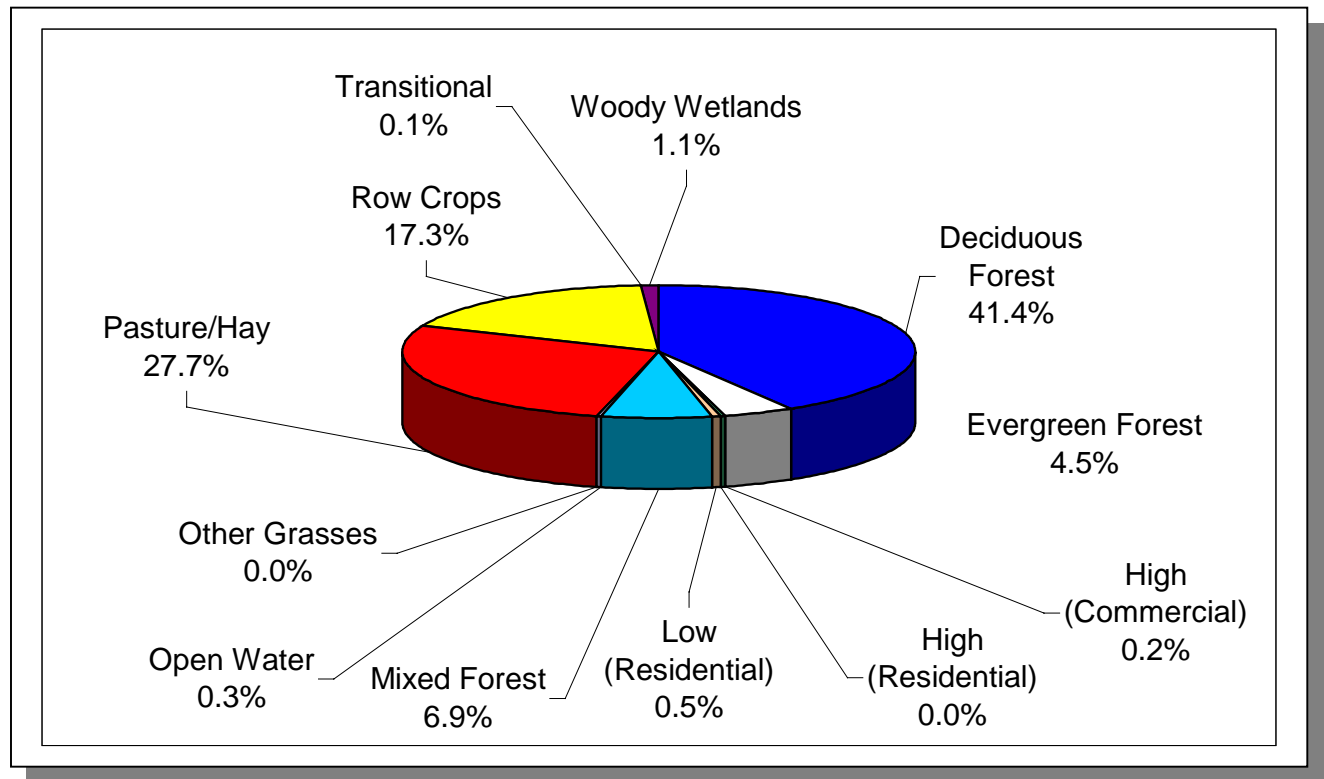


4.2.D. 08010205040.

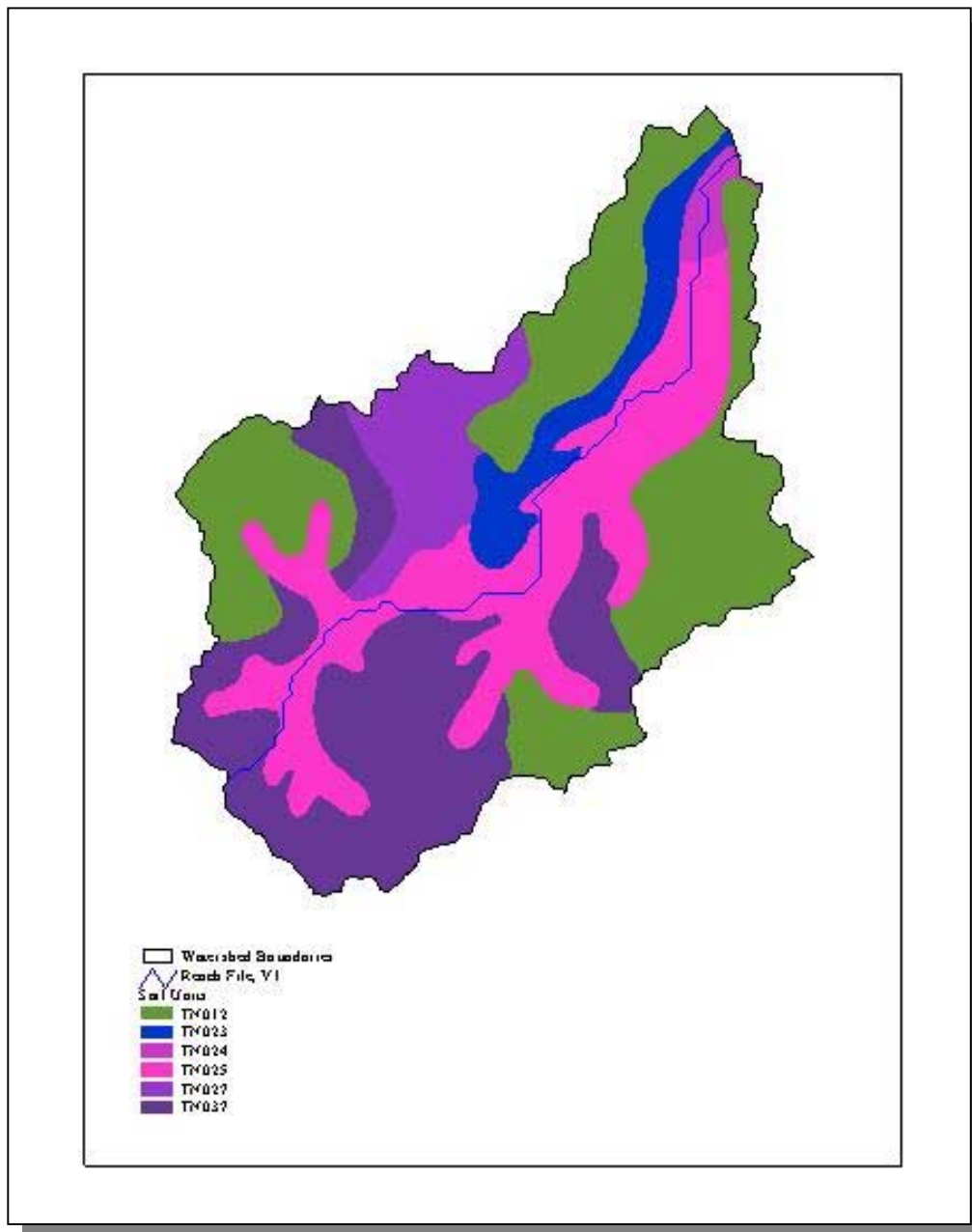


**Figure 4-15. Location of Subwatershed 08010205040.** All South Fork Forked Deer HUC-14 subwatershed boundaries are shown for reference.

4.2.D.i. General Description.



**Figure 4-16. Land Use Distribution in Subwatershed 08010205040.** More information is provided in SFFD-Appendix IV.



**Figure 4-17. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205040.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN012	1.00	C	2.52	5.13	Silty Loam	0.39
TN023	17.00	C	1.35	5.12	Silty Loam	0.42
TN024	61.00	D	2.18	5.35	Loam	0.29
TN025	53.00	C	2.00	5.52	Loam	0.25
TN027	0.00	C	1.26	5.25	Silty Loam	0.41
TN037	0.00	C	3.51	4.86	Sandy Loam	0.27

**Table 4-18. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 08010205040.** More information is provided in SFFD-Appendix IV.

	COUNTY POPULATION		Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED		% CHANGE
	1990	1997 Est.		1990	1997	
County						
Chester	12,819	14,469	13.52	1,734	1,957	12.9
McNairy	22,422	23,678	0.19	43	46	7.0
<b>Totals</b>	<b>35,241</b>	<b>38,147</b>		<b>1,777</b>	<b>2,003</b>	<b>12.7</b>

*Table 4-19. Population Estimates in Subwatershed 08010205040.*

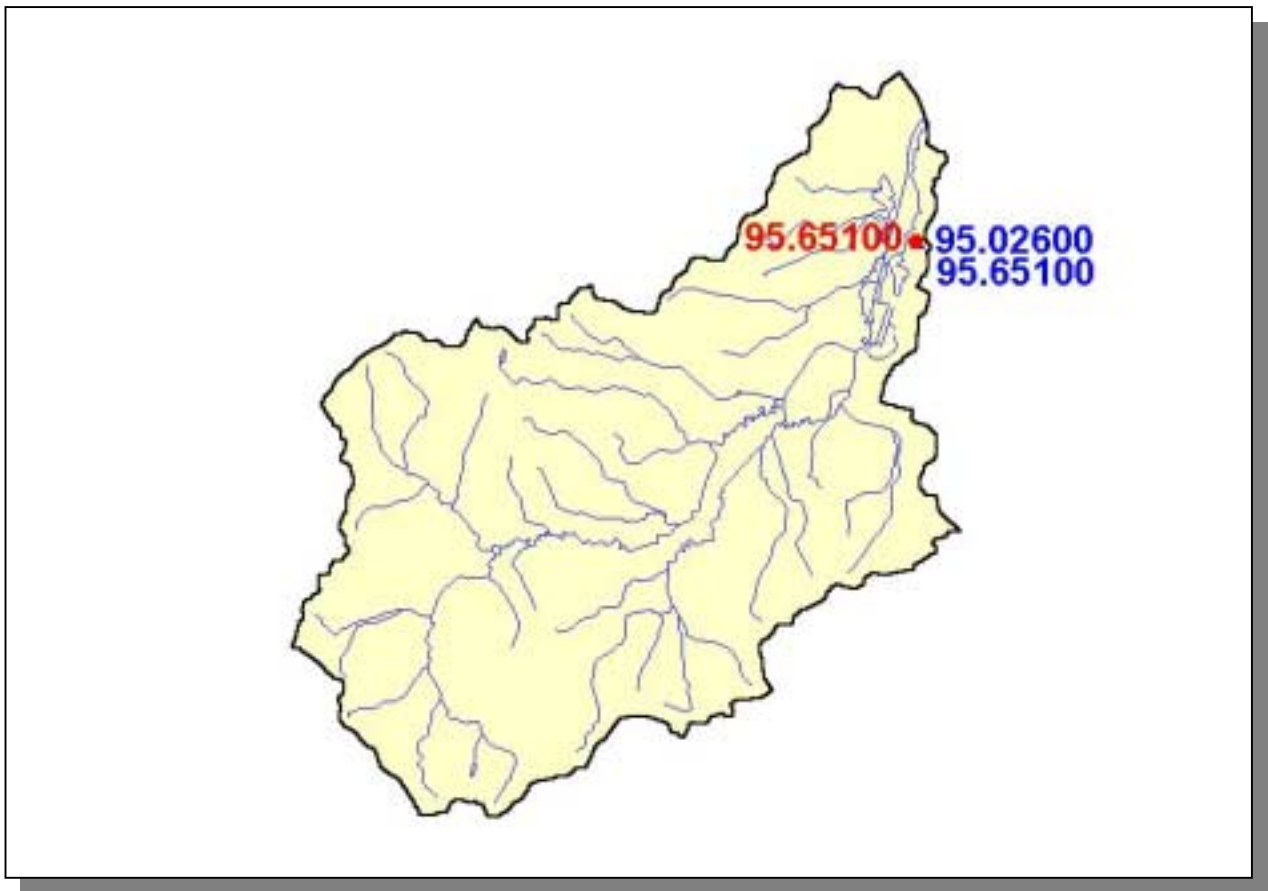
Populated Place	County	Population	NUMBER OF HOUSING UNITS			
			Total	Public Sewer	Septic Tank	Other
Finger	McNairy	273	119	2	115	2
Henderson	Chester	4,760	1,600	1,476	124	0
<b>Totals</b>		<b>5,033</b>	<b>1,719</b>	<b>1,478</b>	<b>239</b>	<b>2</b>

*Table 4-20. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 08010205040.*

**4.2.D.ii.** Point Source Contributions.



**Figure 4-18. Location of Active Mining Sites in Subwatershed 08010205040.** More information, including the names of facilities, is provided in SFFD-Appendix IV.



**Figure 4-19. Location of Wetland Impact and Mitigation Sites in Subwatershed 08010205040.** Impact (Blue Triangle) and mitigation (Red Circle) sites are from ARAP database. More information is provided in SFFD-Appendix IV.

#### 4.2.D.iii. Nonpoint Source Contributions.

LIVESTOCK (COUNTS)				
Beef Cow	Cattle	Chickens	Hogs	Sheep
52	1,650	<5	331	<5

**Table 4-21. Summary of Livestock Count Estimates in Subwatershed 08010205040.** According to the Census of Agriculture, "Cattle" includes heifers, heifer calves, steers, bulls and bull calves.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Chester	99.4	99.4	0.3	1.3
Madison	140.7	140.7	2.4	11.5
<b>Totals</b>	<b>240.1</b>	<b>240.1</b>	<b>2.7</b>	<b>12.8</b>

**Table 4-22. Forest Acreage and Average Annual Removal Rates (1987-1994) in Subwatershed 08010205040.**

CROP	TONS/ACRE/YEAR
Corn (Row Crops)	10.04
Soybeans (Row Crops)	6.20
Cotton (Row Crops)	19.29
Legume Grass (Hayland)	0.20
Grass (Pastureland)	0.35
Grass, Forbs, Legumes (Mixed Pasture)	0.39
Forest Land (Grazed)	0.00
Forest Land (Not Grazed)	0.00
Farmsteads and Ranch Headquarters	0.09
Conservation Reserve Program Lands	0.44
Wheat (Close Grown Cropland)	10.36
Grass (Hayland)	0.29
Other Cropland not Planted	0.24
Other Vegetable and Truck Crops	28.15
Sorghum (Row Crops)	3.62
Legume (Hayland)	0.12

**Table 4-23. Annual Soil Loss in Subwatershed 08010205040.**